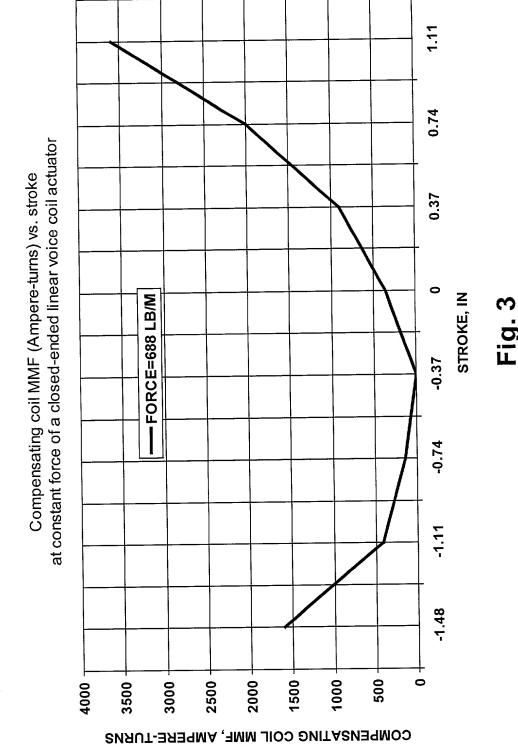


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vs. stroke at constant force of a closed-ended actuator Core compensating coil MMF (Ampere-turns) -FORCE=684 LB/M -0.37 -0.74 -0.93 200 0 1000 3000 2500 2000 3500 4000 4500 **AMPERE-TURNS** CORE COMPENSATING COIL MMF,

Fig. 4

STROKE, IN

1.3

1.11

0.74

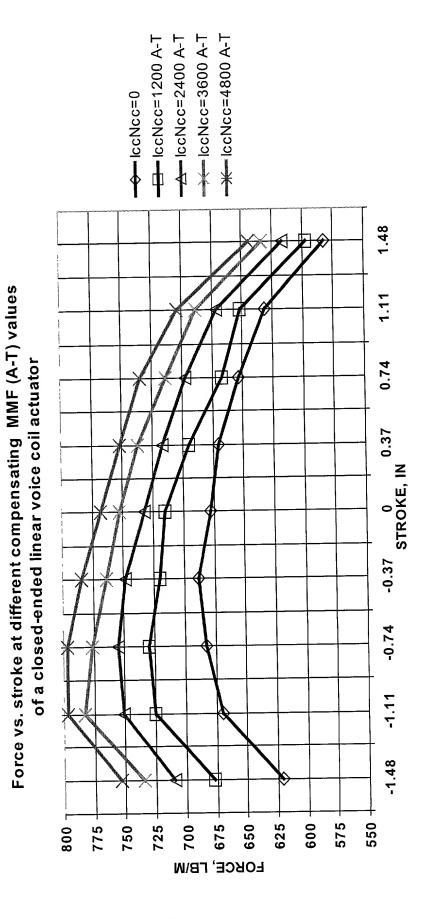


Fig. 5

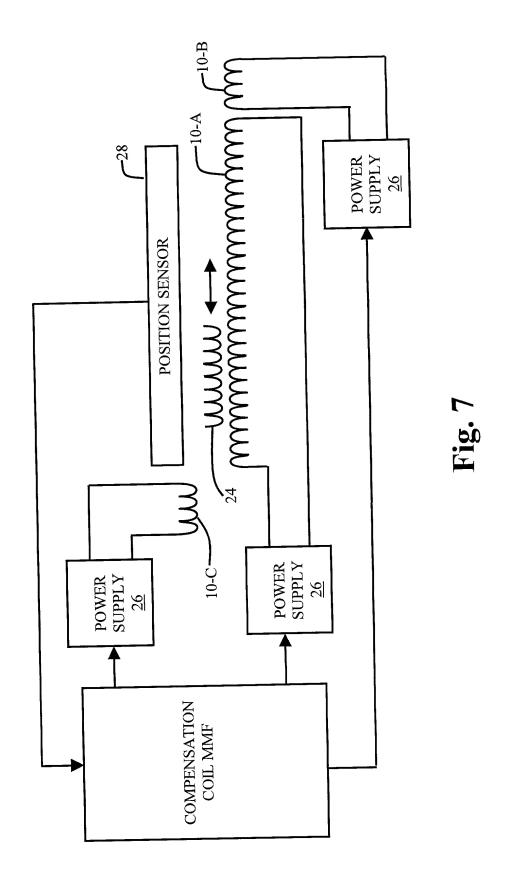
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-*-IccNcc=-4800 A-T → IccNcc=-3600 A-T -B-IccNcc=-1200 A-T -A-IccNcc=-2400 A-T 1.48 Force vs. stroke at different core compensating MMF (A-T) values 1.11 of a closed-ended linear voice coil actuator 0.74 0.37 Fig. 6 STROKE, IN -0.37 -0.74 -1.11 -1.48 590 610 630 670 650 710 069 LOKCE' LB/M

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